

B.Sc.(IT) Semester - 6 (CBCS) Examination**March/April-2024 (NEW COURSE)****Mobile Computing using Android and iPhone (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

-
- Que-1(A) Answer following Questions. (03)
1. _____ is an application component that can perform long-running operations in the background. It does not provide a user interface.
 2. _____ method is used to broadcast an intent object..
 3. _____ is responsible to protect the application to access any protected parts by providing the permissions.
- Que-1(B) Answer Any Two. (06)
1. Explain anatomy of Android application.
 2. Explain Application Context, Activities, Services and intents
 3. Explain Android platform.
 4. Explain how to manage application resource in hierarchy.
- Que-1(C) Answer Any One. (05)
1. Explain Activity lifecycle.
 2. Explain Android Manifest file.
- Que-2(A) Answer following Questions. (03)
1. An _____ Layout lets you specify exact locations (x/y coordinates) of its children.
 2. _____ is a predefined subclass of TextView that includes rich editing capabilities.
 3. In _____ animation you will be swapping frames repeatedly, so it appears continuous to the human eye and we feel that it is animated.
- Que-2(B) Answer Any Two. (06)
1. Explain Fragment and DatePicker with example.
 2. Explain Table and Absolute layout.
 3. Explain Dialogs.
 4. Explain ListView and GridView with example.
- Que-2(C) Answer Any One. (05)
1. Explain spinner widget with example.
 2. Write short note on twinned animation.
- Que-3(A) Answer following Questions. (03)
1. _____ Returns a file representing an internal directory for your app.
 2. Insert data into the database by passing a..... object to the insert() method.
 3. To read from a database, use the _____ method.
- Que-3(B) Answer Any Two. (06)
1. Explain rest api.
 2. Explain retrofit.
 3. Explain data and storage api.
 4. Explain application with content provider.

- Que-3(C) Answer Any One. (05)
1. Explain shared Preferences with example.
 2. Write short note on SQLite database. Explain how to search data with example.
- Que-4(A) Answer following Questions. (03)
1. ____ method returns the estimated accuracy in meters.
 2. _____ is converting a geo coordinate latitude and longitude to an address.
 3. The _____ class is an extension of Android's View class that allows you to display web pages as a part of your activity layout.
- Que-4(B) Answer Any Two. (06)
1. Explain WebView with example.
 2. Explain Location Manager Class.
 3. Write a program for vibrating a phone.
 4. Explain geocoding locations.
- Que-4(C) Answer Any One. (05)
1. Explain how to customize notification services.
 2. Write steps to publish Android Application in detail.
- Que-5(A) Answer following Questions. (03)
1. _____ is an integrated development environment (IDE) for macOS containing a suite of software development tools developed by Apple for developing software for macOS, iOS, watchOS, and tvOS.
 2. A _____ is a visual representation of the user interface of an iOS application, showing screens of content and the connections between those screens.
 3. What is Cocoa Touch?
- Que-5(B) Answer Any Two. (06)
1. Explain X-Code
 2. Explain Storyboard
 3. Explain text field and text view control with example.
 4. Explain what is the use of button and how to insert it in user interface?
- Que-5(C) Answer Any One. (05)
1. Write steps how to create and building iPhone application.
 2. Write short note on Cocoa touch and MVC.
